

RATCLIFF GROUP PASSES INTO NEW HANDS

**FIRST PAYMENT MADE
AND TITLE IS CLEARED;
AND NEW CAMP TO
BE BUILT.**

(From Wednesday's Daily.)

The formal taking over the Ratcliff group of 17 mining claims, situated near Senator, occurred late last week, when a first cash payment of over \$5,000 was made, according to reports in circulation, the agreement also stipulating that before the expiration of six months the purchasers would be permitted to pay the balance due, approximately \$30,000.

The deal was temporarily held up by perfecting the abstract of title, which required several days after the terms of the transaction were agreed to. The property is to be a holding of the Bradshaw Copper Mines Co., which is incorporating to operate in this county on an extensive basis, with J. B. Joyce, of New York City, at the head. Mr. Joyce arrived from the East last Thursday to close this deal, returning on Saturday. He outlined plans for operating the Ratcliff property, saying: "With the group now in our hands, and incidental matters which held up the deal for several days being adjusted satisfactorily the first move is ready to be made. Snow is too deep to permit of surface improvements being made, but in a short time a camp is to be established. All arrangements are closed in the operating department, which will be under the direction of Colonel Fred Bowler, and whose mine foreman will be M. P. Lacey of Walker. The Ratcliff will be a unit of our mineral holdings, and when other plans are crystallized, announcement will be made of certain deals pending, which will assume also an active stage. Improved machinery is ordered, and also the necessary lumber for building the new camp. We have had the Ratcliff investigated by thorough mining men, and the proposition was first submitted several months ago to our firm. Action has been definitely and finally taken at last, and after several trips to the property I am pleased over all details being satisfactorily closed by which large operating plans may go ahead in due time. The property is opened to the extent of over 2,000 feet, and I rate it as a very desirable proposition."

Mr. Joyce stated he would return from New York City in a few weeks, to remain indefinitely in this field. He also stated that mining in Yavapai was occasioning more interest in the East, than had been noticeable in very many years, and the rating of the country was rapidly assuming that earnest consideration that big capital was anxious to come in, and would do so this year. Mr. Joyce is a native Arizonan, and is familiar with mines and mining from one end to the other of the State.

ALASKA OPERATOR TO INVEST IN YAVAPAI

(From Wednesday's Daily.)

S. S. Waulless, a mining man of Valdez, Alaska, who left yesterday for San Francisco, stated at the depot that he would return and become identified with the Mayer field as a copper operator. He has taken an option on a group of mines, and after his associates approve of the transaction, publicity will be given as to what properties were acquired. Mr. Waulless stated that he had been interested in the Copper Creek field near Valdez, and while appreciative of that region ultimately assuming importance as a vast copper producer, stated that conditions in an established field had brought him here, under inducements offered that were attractive to operate. "This country is now occasioning lively interest in investment circles, and inside of two years there should be some large mining undertakings in action in Yavapai; a few more mines such as the Blue Bell and the Little Daisy, and on will go the stampede," he said.

W. H. TIMERHOFF
IS RE-ELECTED MAYOR

(From Wednesday's Daily.)

Mayor W. H. Timerhoff was re-elected to office yesterday over the only other candidate, H. D. Aitken, by a vote of 2 to 1. Timerhoff received 352 votes and Aitken 176.

ARIZONA MINES PAID LARGE DIVIDENDS

WASHINGTON, Jan. 1. — Ten mines in Arizona paid \$34,000,000 in dividends during the past year. Adding Utah, Montana, Nevada and Idaho dividends to those of Arizona we have a total of over \$100,000,000 in dividends paid out of the mines of these five Western States in a single year.

These are some of the impressive facts brought out by the report of the geological survey to Secretary Lane just made. "Never before," said Mr. Lane, "has so large a draft been made on the natural resources of our country as during this year, and never before have the metals been extracted from these ores with less waste or utilized to better advantage in advancing the general prosperity of the country. Even as written in the plain figures of 1916 production the wonderful record of our mines sets forth a degree of national industrial independence only hoped for a few years ago."

"Again copper stands out as the best illustration of how American mines can meet a world demand. The output of nearly 2,000,000,000 pounds of the red metal is double that of ten years ago and its value is twice that of the copper produced in 1915. Add to this the facts that in value copper now contends with iron for first place among the metals and that together the amount of these two metals produced last year had a value of more than \$1,000,000,000 and we have a measure of what this country can contribute in useful metals."

"The output of zinc from domestic ores increased last year 95,000 tons, which makes a new record for that metal, the total value of spelter from

United States ore being \$150,000,000. Lead also shows a large increase the \$75,000,000 output being a gain of more than 50 per cent.

"With all this activity in metal production the coal mines have had to meet a heavy demand, so that the bituminous coal output has now passed the half-billion ton mark, an increase of 12½ per cent over the previous year. Coke production increased 30 per cent and it is gratifying to note that by-product coke made the largest gain, which means a corresponding gain in benzol and other valuable by-products.

"Again the oil wells have given a new record for petroleum yield, the estimate of marketed production of crude petroleum for 1916 being 292,000,000 barrels, or 11,000,000 barrels more than in 1915.

"Another mineral product which furnishes an index of business conditions is cement, the 1916 production of which is estimated to be 5,000,000 barrels in excess of the output of the previous year, while the shipments were even greater, aggregating 94,500,000 barrels, with the outlook reported as good for the new year.

"The reports received from the survey's Western offices contain most significant mining records. Every Western State shows a large increase in yield of metals, Arizona leading with a gain of \$100,000,000 over last year, while Utah and Montana together report another \$100,000,000 gain. Alaska also had its best year, contributing a total value of more than \$50,000,000 this year, or over 50 per cent in excess of any previous year.

"These advance statements not only show that 1916 marks a new advance for the mineral industry of the country, but this remarkable increase promises to be approximately 25 per cent over the 1915 production, so that we may expect the final figures to show a total of \$3,000,000,000."

FATHER AND SON ARE NOW LAW PARTNERS

(From Thursday's Daily.)

The law firm of Norris & Norris came into existence the first of the year, following a dissolution of partnership between T. G. Norris and E. J. Mitchell, the latter taking the office of county attorney on that date. The new firm consists of T. G. Norris and Herndon J. Norris, father and son. They retain the same suits of offices in the Prescott State Bank building, Mr. Mitchell having moved to the Bashford block.

T. G. Norris needs no introduction to the people of Prescott, Yavapai county, or Arizona. He has long been an eminent practitioner in the local and all courts of the State and has built up an enviable reputation and lucrative business, attaining marked eminence in mining law particularly. Naturally he will be the senior member of the firm, having preceded young Norris into the world and law by a number of years. However, it is the record the young man has already made is any criterion, Norris, pere, will have to step lively or his laurels are likely to be wrested from him by Norris, filius.

Herndon Norris is a native son of Arizona, and a graduate of the Prescott High school. Following the receipt of his diploma he spent a year at the Western Military Academy, located at Upper Alton, Illinois, then taking a three-year course at Lawrenceville, New Jersey, the best preparatory school in the United States. Yale was the next step in his educational career and following his graduation from that institution he entered the University of Virginia law school, from which he graduated with high honors last June. During the years spent at Yale and Virginia he made an average in daily recitations, quizzes and examinations of 93 per cent and that his scholastic and legal training was well founded was shown at the recent Arizona bar examination, Norris receiving the highest marks of a class of 19 which took the test. While training his mind Norris did not neglect physical culture, breaking several college track records, both at Yale and Virginia.

The new law firm starts out under happy auspices and will, no doubt, enjoy a large clientele in the future, as has been the portion of Mr. T. G. Norris and legal partners in the past.

MINES REVIVING
BRING BACK BOOM DAYS

(From Thursday's Daily.)

"Familiar scenes of the long ago are being renewed in the McCabe field again at a lively clip, but on a different basis from that prevailing in years gone by. Candidly speaking general conditions today impress me far more favorably in mining than has ever been noticeable," said Samuel Foran yesterday at his hotel. He reviewed his third of a century as a mine owner of that belt, and in contrast with the spasmodic upheaval of other days, said that the practical mining man was now at the helm directing on a changed plan of operation, and so far as observations could be made, success was evident.

The reviving of the Gladstone is in his opinion the key which is unlocking the golden vault, and in harmony

OLD CUMBERLAND GOLD CAMP MAY BE REVIVED

**SUCCESS OF FLOTATION
SOLVES VITAL PROBLEM
AFFECTING FUTURE OF
THIS PROPERTY.**

(From Thursday's Daily.)

Dr. William Woodburn, of Boone, Iowa, has been making an inspection of the holdings of the Cumberland Mining Company, situated on Pine Flat, and expressed himself yesterday as confident that resumption will take place after an adjustment is reached of its internal affairs.

The property was active until a few years ago, suspending on account of a disagreement arising among stockholders. It is now believed that an adjustment will be effected and early resumption of work take place.

The Cumberland is one of the oldest gold mines in the county, and with flotation added to its quartz mill, a recovery of values is assured which was not possible under old methods of treatment in force when the property closed down. Dr. Woodburn resided at the camp as general manager of his company, and is conversant with the heavy losses made in treatment. He now believes that with flotation facilities in operation, the Cumberland will prove a desirable proposition.

INTERESTING DATA ON NAVAJO COUNTRY

(From Thursday's Daily.)

The true "heroic age" of human history was the period of direct contact with nature, the age in which heroic accomplishment and heroic endurance were part of the daily routine. The activities of men of that stage of progress deserve a place among the most cherished traditions of the human race. In the Navajo country in Arizona and New Mexico are the remnants of an almost extinct race, whose long occupation of the country is recorded in ruined dwellings and abandoned fields. This little-known region is the home of the vigorous and promising Navajos. To improve the condition of this long-neglected but capable race, to make their life more intelligently wholesome by applying scientific knowledge, is a duty which should appeal to the people of the United States.

In 1909 Herbert E. Gregory, of the United States geological survey, department of the interior, began a study of the interesting geologic problems of this country at the request of the office of Indian affairs. At times these explorations were exhausting and dangerous, but the loyalty and devotion of assistants and Navajo guides were equal to the many hardships and uncertainties of desert travel.

The future of the Navajo country depends largely on the solution of one problem—the water supply—and therefore this work was designed to procure data bearing on this problem. The geography of the region was also studied with a view to preparing a description of this little known part of the United States—an account designed to facilitate the work of those who are to supplement the preliminary examination by detailed studies.

The report of these explorations is extremely interesting not only to engineers and geologists but to all who have felt the charm of the Southwest or who have the welfare of the red man at heart. It is published as Water-Supply Paper 380 and may be obtained without charge by applying to the Director, United States Geological Survey, Washington, D. C.

FORMER RESIDENT SERIOUSLY INJURED

(From Wednesday's Daily.)

W. P. Hoggart, an employee of the Consolidated smelter at Humboldt, during early operations several years ago, was frightfully injured at a plant at Bingham, Utah, while lacing the belt of a large engine, being thrown a distance of over 40 feet, both arms and legs being broken, and his chest caved in. It is believed he will recover, but he will be crippled for life. At the time he was straddling the belt, and steam was turned on by an engineer just going on shift.

NEW SILVER CAMPS ARE SPRINGING UP

(From Thursday's Daily.)

O. I. Tawney well known in mining circles of this county as an operator, is in the city from Lower Turkey creek, and reports silver mining as a popular movement at this time since quotations are steadily climbing upward. He states that five new white metal camps are being established, in addition to those active, and it is believed an old-time boom is coming. Other mineral zones of that field also are attracting attention and the general outlook is satisfactory.

therewith the Gopher is wheeling into line as a desirable property. The Great Southern likewise goes ahead satisfactorily, and this Spring will see a score of other mines in action, in which the famous McCabe also was specifically alluded to. The Little Jessie, in Mr. Foran's opinion, is destined to repeat its remarkable gold production of 1893, but on a different basis, however. The sale of the Union is reported to be closing up, and the coming into that field recently of a strong company of practical operators to revive the old Silver Belt is occasioning more than ordinary comment from the wonderful ore showing made at different points under development.

Mr. Foran also said: "We have the combination of minerals in their distinctive rating, such as the gold zone and the silver-bearing conditions, in both of which different by-products exist, making as a whole a maelstrom which is bringing in capital to reap the riches in which practical foresight is appreciative of what modern operations will accomplish."

Mr. Foran also specifically mentioned two practical mining men as setting the pace by which that field was assuming deserved recognition, singling out W. E. Paige, of the Silver Belt Consolidated, and W. C. Thomas, the consulting engineer of the Newark Copper Company, which is reviving the McCabe and Gladstone. "They are a pair of ferrets, and once on the mineral trail never lose the scent," he concluded.

MERRY MASKERS
REVEL IN JOY MAKING

(From Thursday's Daily.)

The advent of the New Year was uniquely celebrated by guests of Hotel Congress, a Mardi Gras proving a delightful method of bidding farewell to 1916 and welcoming 1917. Over 40 people were present.

Mrs. J. A. Thomas was the center of attraction as a cannibal queen and incidentally proved no less attractive to a mighty cannibal chief, in the person of L. A. Christensen, who seized her and then there proclaimed her his wife, in royal cannibal fashion.

Mrs. Irwin, as "Midnight" lent a pleasing touch by her dignified cordiality. Mr. Richardson and W. C. Thomas made a "clean sweep" as the "Gold Dust Twins." Mrs. Karpe as "Topsy" and Mr. Totten as "Aunt Dinah," provoked continual laughter, while Mr. Gillespie as "Happy Hooligan" proved a fertile source of amusement. Miss Farmer lent a touch of the Oriental in Chinese costume and Mrs. Richardson and Mrs. Burns as Dutch girls, Miss Tenchert as a Highland lassie and Mrs. Farmer as a baby were all decidedly fetching. Mr. Wilson as "Sweet Sixteen," Mr. Wasson as a "French Chef," Mrs. Anderson as "Charley's Aunt," Mr. Burns and Jack Chord as "His Satanic Majesty," little Miss Burns as a "Colonial Dame," Joe Winchester as a "Bolster," Mr. Ballenger and Mr. Buel as clowns, all carried out their parts exceptionally well.

ANSWER TEMPORARY INJUNCTION SUIT

(From Thursday's Daily.)

William McMahon filed answer to the temporary injunction suit brought against him by Charles Sutter several weeks ago, in the Superior court yesterday. A restraining order preventing McMahon from entering certain mining properties in the Jerome district was issued by Judge F. O. Smith and the defendant placed under bond.

The answer alleges that Charles Sutter is not the rightful owner of the property and claims to have come into possession of the property July 27, 1916, by right of location. Sutter alleged in the complaint that McMahon and his agents threatened to bodily harm to him if he entered the mines to do the annual assessment work, which the defendant denies in his answer.

The court is asked to dissolve the restraining order and establish the defendant's title to the property.

STATE ROAD WORK BEGINS IN YAVAPAI

(From Wednesday's Daily.)

State Division Engineer F. H. Goodman has arrived from Winslow and is to begin road work out of Dewey toward Cherry creek inside of 30 days. In addition to repair work, a new route will be followed in which distance will be saved and traveling conditions improved generally. The work to be performed will result in a standard grade being established, from which interruptions to travel in the future will be practically avoided. Mr. Goodman comes into the Yavapai field with much satisfaction expressed by a large community along the above route that State work is to receive earnest consideration at an early date. Mrs. Goodman will arrive later to make Prescott her home.

SUIT TO FORECLOSE MORTGAGE IS FILED

(From Wednesday's Daily.)

Suit to foreclose a mortgage on the Antelope Gold Company's property in the Weaver district, was filed by L. R. Watts in the Superior court yesterday. Watts alleges that he is trustee for a number of persons who hold promissory notes, aggregating \$38,000 against the company. He asks that the court order a sheriff's sale of the property to satisfy the claims of the holders of the notes.

various sections of this country as well as many others with a view to investment, but acknowledged that without doubt there is a great future for this section.

"Without doubt," he said, "the people of Northern Arizona have never been as aggressive as the people of the south, owing to the fact of their unbounded belief in the hidden treasure of their pine-clad mountains and their wonderful resources which the south does not possess.

"The spelling of 'Arizona' begins with the first letter of the alphabet and as such is now beginning to be recognized by the great money marts of the East as foremost in the production of minerals, and will therefore claim its share of capital from the investment brokers of large financiers."

MILITARY CAMP FOR STUDENTS IN FOREST

(From Friday's Daily.)

The University of Arizona has recently received notification from the Secretary of the Interior, Franklin K. Lane, that President Wilson has authorized the setting aside of 500 acres of the Coronado National Forest for use by the University of Arizona as a military camp and tactics station. The land is located near the entrance to Sabino canyon, and was chosen particularly because of its desirability as a place for encampment in the early Spring.

The movement for a location for a military camp was initiated by Dr. von KleinSmid, president of the university, who made a trip East last Summer in order to interview cabinet officials and others regarding the matter.

Dr. von KleinSmid recently made a trip to the site in company with Forest Ranger Silkkirk, for the purpose of making plans to locate upon the land and fix up a permanent military encampment.

The land is well located, being at a medium altitude, and contains a spring of fine water that is never dry.

With the announcement that the mining companies of the State had donated a fine mining building, some unknown friend had donated \$60,000 for a new observatory, that the national government had set aside two sections of land in the Catalinas for a biological station, and this last announcement that 500 acres had been set aside for a military encampment, makes the year 1916 a banner one in the progress of the institution.

U. S. EXPERIMENT STATION FOR ARIZONA

(From Friday's Daily.)

Probably the most important accomplishment of the Arizona State Bureau of Mines during the past year has been the securing of a United States Mining Experiment Station for Tucson, to act in cooperation with the State Bureau of Mines. This means an expenditure of \$25,000 annually by the Federal government to assist Arizona in the solution of its problems. It means ever more than this—for the prime object of the station is to advise ways and means for the proper utilization of the State's resources and the conservation and prevention of waste, all of which will add much to the value of the mineral production of the State.

Three stations were created by the U. S. Bureau of Mines, and practically every State in the Union was clamoring for one. Arizona won out because it could offer cooperation with the State Bureau and advantages that few of the States were equipped to render.

MEXICO INFLAMED AGAINST AMERICANS

(From Wednesday's Daily.)

Arriving a few days ago from Altar, Sonora, near which city he had been employed as foreman of the California Land Development Co., Stephen Fredericks stated that the feeling toward Americans was growing both by the Mexican and the Yaqui Indian. The outcome has been that five large American land reclamation companies have abandoned their interests in the past two years, and the loss would run into the millions.

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CATTLE MARKET

Special Correspondence.

KANSAS CITY STOCK YARDS, Jan. 1.—The cattle market today continued its strong tendency of last week, beef cattle steady to 10 higher, stockers and feeders unevenly higher, receipts 8,500. Hogs sold fully steady receipts 8,500, sheep and lambs 10 to 15 higher, lambs \$13½, another new high record, ewes \$9.20, receipts 8,900.

Beef Cattle.

Prime beef steers of medium weights sold at \$11.35 and \$11.50, and good to choice ones brought \$10.65 to \$11. Packers bid on anything that carries an ounce of flesh, from \$7.50 up, and 1917 opens with all kinds of killing cattle higher than at any time during the year 1916. Prime cows sold at \$8 or better, heifers \$10.25, medium cows around \$7, cutters \$6, canners \$5.25 to \$5.90, bulls \$6 to \$7.50, veals up to \$11. Killers are getting prices for hides that cut meat costs materially, which together with fine outlet for beef, gives the market double strength at this time.

Stockers and Feeders.

Contrary to the usual custom stocker and feeder prices open the year with a keen demand, and 40 to 60 cents higher than a week ago. Six cars of White Face feeders weighing 913 pounds sold at \$8.50 today, fleshy feeders up to \$8.90, thin, medium bred feeders \$7.25 to \$7.75, stock steers \$8.25 to \$8.75. A good many orders are held here, and would be filled if the price would get down a little.

Hogs.

Order buyers opened the market 5 to 10 higher in some cases, but \$10.45 was as high as anything sold. Medium weights sold up to \$10.40, lights \$10.25, the market about a dime lower than best time last week. Receipts for December show a slight loss here, as compared with a year ago, lack of feed beginning to show its effect. The year 1916 shows an increase of 450,000 hogs over 1915 at Kansas City, but receipts the first months of 1917 will probably run lighter here, because of the feed disadvantage in Kansas City territory, and competition will for that reason be stronger here than elsewhere, and average prices relatively higher.

Sheep and Lambs.

More than one-fourth of the total receipts today sold at the top lamb price, \$13.50, never equaled here before. Ewes brought \$9.20, a new high record for this season, and yearlings are worth \$11 to \$12. Feeding lambs sell up to \$12. The market has the appearance of being well grounded, having the support of high prices for dressed mutton and for pelts and wool, but the sheep market is noted for sudden and sharp breaks and heavy receipts might bring such a turn.

CAPITAL MOVING TO BLUE BELL COUNTRY

(From Thursday's Daily.)

The Mayer country seems to be meeting with favor in investment circles, and the closing of the deal a few days ago for the Iowa Copper Company holdings four miles east of that town is another straw to indicate which way the mineral wind is blowing.

The closing of this sale was announced yesterday by Dr. William Woodburn, of Boone, Iowa, the purchasers being Uri Embody and associates. All of the stockholders of the old company retire, except Dr. Woodburn, who retains a large interest. He made the trip from Boone to enter into negotiations, and after an examination was made by Mr. Embody, minor details were hastily considered and the property passed into new hands, without much parleying.

The new operators are to install heavy machinery at once and the main shaft will be extended to the depth of fully 600 feet. When active over five years ago the Iowa was quite largely explored, the shaft reaching a depth of 160 feet. Behind this transaction is the substantial copper rating of that belt, which since the Blue Bell has attained fame as a big producer, is bringing in large capital for practical mining. Other movements in that field in deals under consideration would indicate a lively interest as centering toward exploring what is generally regarded as a zone that offers attractive inducements for capital.

The Mayer situation is analogous to that of Jerome; the Little Daisy made the latter, and the Blue Bell is doing likewise for the former.

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